(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau

WIPO OMPI

(43) International Publication Date 25 August 2005 (25.08.2005)

PCT

(10) International Publication Number WO 2005/078218 A1

(51) International Patent Classification⁷: 17/48, E05B 47/00

E05C 1/16.

(21) International Application Number:

PCT/NZ2005/000018

(22) International Filing Date: 16 February 2005 (16.02.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

531205

18 February 2004 (18.02.2004) NZ

(71) Applicant (for all designated States except US): ASSA ABLOY NEW ZEALAND LIMITED [NZ/NZ]; 6 Portsmouth Road, Miramar, Wellington (NZ).

(72) Inventors; and

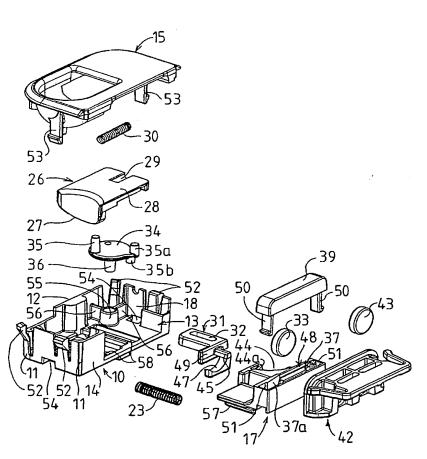
(75) Inventors/Applicants (for US only): BOOSEY, Malcolm,

David [NZ/NZ]; 175 The Esplanade, Petone, Wellington (NZ). COLLINGS, Martyn, Walter, Goodwin [NZ/NZ]; 1/21 Makererua Street, Ngaio, Wellington (NZ).

- (74) Agent: HOPKINS, Donald, Leslie; c/o Don Hopkings & Associates, Unit 2, Northcote Office Park, 145-147 Queen Street, Palmerston North (NZ).
- (81) Designated States (unless otherwise indicated. for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA. BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: SELF LATCHING DEVICE



(57) Abstract: A self latching device for self-latching a sliding closure such as a window sash. The device includes a latch member (17) which is moveable between a latching position and a non-latching position. The latch member (17) when in the latching position is engaged with a strike (42). A biasing element (23) biases the latch member (17) into one of the latching and non-latching positions. A magnetic element (43) is provided for moving the latch member (17) into the other of the latching and non-latching positions. In one form the magnetic element (43) is associated with the strike (42) and a magnet element (33) is associated with the latch member (17). The magnets are preferably permanent magnets (33 and 43). A user accessible slider (26) coupled by a coupler (34, 35) to magnet slider (31) enables the magnet element (33) to be temporarily moved away from the magnetic element (43) to enable the latch member (17) to retract from the strike (42).

WO 2005/078218 A1



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.